The Journal of Rheumatology, Volume 21, 1994

CONTENT INDEX

Pages 1 - 2446 and Supplements 41-42

VOLUME 21: NO. 1

JANUARY 1994

Editorials

The Mechanism of MTX in RA: The Search Continues
J.M. Kremer 1

Lumping and Splitting When Assessing Arthritis
J.R. Kirwan 6

Alternative Medicine: Science or Superstition?
R.S. Panush 8

Articles

Synovial Tissue Implants from Patients with RA Cause Cartilage Destruction in Knee Joints of SCID.bg Mice
U. Sack, H. Kuhn, J. Ermann, et al 10

Clinical Measures in RA: Which Are Most Useful in Assessing Patients? *M.M. Ward* 17

Physical Disability and Psychological Well Being in Recent Onset RA *A. van der Heide, J.W.G. Jacobs, G.A. van Albada-Kuipers, F.W. Kraaimaat, R. Geenen, J.W.J. Bijlsma* 28

Cause of Death in 81 Autopsied Patients with RA *A. Suzuki, Y. Ohosone, M. Obana, et al* ... 33

Expression of Autocrine Motility-Like Factor in Rheumatoid SF
H. Watanabe, K. Takeuchi, M. Chigira 37

Association of HLA-DR5 with Mucocutaneous Lesions in Patients with RA Receiving Gold Sodium Thiomalate *M. Rodriguez-Pérez, J. González-Dominguez, L. Matarán, S. Garcia-Pérez, D. Salvatierra* 41

Efficacy of Additive DMARD Therapy in Patients with RA. Double Blind Controlled Trial Using Bucillamine and Placebo with Maintenance Doses of Gold Sodium Thiomalate
M. Yasuda, K. Sakai, M. Oribe, et al 44

Incidence, Prevalence and Possible Risk Factors for Pneumonitis in Patients with RA Receiving MTX *G.J. Carroll, R. Thomas, C.C. Phatouros, et al* 51

The Effect of MTX on *Ex Vivo* Lipoxygenase Metabolism in Neutrophils from Patients with RA
J.S. Hawkes, L.G. Cleland, S.M. Proudman, M.J. James 55

Current Practices for Monitoring Ocular Toxicity Related to Hydroxychloroquine (Plaquenil) Therapy *S.A. Mazzuca, R. Yung, K.D. Brandt, R.D. Yee, B.P. Katz* 59

Joint Impairment is Strongly Correlated with Disability Measured by Self-Report Questionnaires. Functional Status Assessment of Individuals with RA in a Population Based Series. *M. Hakala, P. Nieminen, J. Manelius* 64

Can Specially Trained Physiotherapists Improve the Care of Patients with RA? A Randomized Health Care Trial *A. Helewa, H.A. Smythe, C.H. Goldsmith* 70

Acute Effects of Misoprostol on Digital Circulation in Patients with RP
R.A. Wise, F. Wigley 80

Herpes Zoster Infections in SLE: Risk Factors and Outcome *L.E. Kahl* 84

Cerebral Lesions in SLE Detected by MRI. Relationship to aCL *O. Ishikawa, K. Ohnishi, Y. Miyachi, H. Ishizaka* 87

Single Anticardiolipin Measurement in the Routine Management of Patients with SLE
R.S.K. Axtens, M.H. Miller, G.O. Littlejohn, D.J. Topliss, E.F. Morand 91

Characteristics of HIV and Chlorpromazine Induced aPL: Effect of β_2 Glycoprotein I on Binding to Phospholipid *A.E. Gharavi, L.R. Sammaritano, J. Wen, et al* 94

Induction of Experimental APS in Naive Mice with Purified IgG Antiphosphatidylserine Antibodies *M. Blank, A. Tincani, Y. Shoenfeld* 100

Comparison of Aminobenzoate Potassium and Placebo in the Treatment of Scleroderma
D.O. Clegg, J.C. Reading, M.D. Mayes, et al 105

Genetic and Immunological Differences Between Japanese Patients with Diffuse Scleroderma and Limited Scleroderma
M. Satoh, M. Akizuki, M. Kuwana, et al 111

ReA: Incidence, Triggering Agents and Clinical Presentation
T.K. Kvien, A. Glennås, K. Melby, et al 115

Treatment of Severe Refractory Uveitis with iv Cyclophosphamide *J.T. Rosenbaum* 123

Seroreactivity to *Borrelia burgdorferi* Antigens in the Absence of Lyme Disease
W.D. Cooke, N.H. Bartenhagen 126

Secretory Immune Response and Clinical Sequelae of Salmonella Infection in a Point Source Cohort *G.T.D. Thomson, M. Alfa, K. Orr, B.R.J. Thomson, N. Olson* 132

Cytosolic Ca^{2+} Concentration Determinations in Neutrophils Stimulated by MSU and Calcium Pyrophosphate Crystals: Effect of Protein Adsorption *H.M. Burt, J.K. Jackson* 138

Attitudes to Alternative Medicine by Rheumatology Outpatient Attenders
P.C. Vecchio 145

Alternative Medicine Use by Rheumatology Patients in a Universal Health Care Setting
M. Boisset, M-A. Fitzcharles 148

Pediatric Rheumatology

Treatment of Growth Retardation in JCA with Recombinant Human Growth Hormone
U.M. Davies, M. Rooney, M.A. Preece, B.M. Ansell, P. Woo 153

Class II Alleles in JA in Czech Children
M. Cerna, P. Vavrincova, S. Havelka, E. Ivaskova, P. Stastny 159

Case Reports

SS with Amyloid A Presenting as Multiple Pulmonary Nodules *B.C-Y Wong, K-L. Wong, M.S-M. Ip, E.P. Wang, K.W. Chan, L.C. Cheng* 165

Nodular Regenerative Hyperplasia of the Liver and Primary SS *I. González-Alvaro, L. Carmona-Ortell, A. Amigo-Etxenagusia, S. Castañeda Sanz* 168

Sacroiliitis in SLE
M. Kohli, R.M. Bennett 170

Correspondence

Renal Coagulopathy, Thrombocytopenia, and the aCL: Therapeutic Response to Corticosteroids and Aspirin but not Anticoagulation
C.W. Legerton, D.W. Puett, J.S. Sergent 172

Reply
M-C. Amigo 172

Rheumatology in Philately
I. Leden 173

Reply
R.A. Greenwald 174

Letters

Serologically Active, Clinically Quiescent SLE — Longterm Followup
B.A.E. Walz LeBlanc, M.B. Urowitz, D.D. Gladman 174

Mediastinal Emphysema Developing After a Pulmonary Function Test in a Patient with DM
M. Ogawa, R. Watanabe, S. Ueda, M. Ohto, T. Imai 175

Chromonychia with SLE
J.S. Baird 176

Turn It Around
W. Mohr 177

Correction

Risk Factors for Physical Disability in an Aging Cohort: The NHANES I Epidemiologic Followup Study
H.B. Hubert, D.A. Bloch, J.F. Fries 177

Notices 177

VOLUME 21: NO. 2

FEBRUARY 1994

Editorials

What Causes Knee OA: Are Different Compartments Susceptible to Different Risk Factors? *D.T. Felson, E.L. Radin* 181

Can We Define the Outcome of AS and the Effect of Physiotherapy Management?
A. Calin 184

When is Arteritis of the Temporal Arteries Not Temporal Arteritis? *J.T. Lie* 186

Articles

Seronegative RA and HLA-DR4
K.F. Al-Jarallah, W.W. Buchanan, A. Sastry, D.P. Singal 190

Erosive RF Negative and Positive RA are Immunogenetically Similar
R.K. Vehe, G.T. Nepom, K.R. Wilske, D. Stage, A.B. Begovich, B.S. Nepom 194

Antibodies to Type II Collagen in Human Serum: Storage Effects and Role of IgM Antiidiotype in Regulation
T. Woodruff, A. Cook, M. Rowley, I. Mackay 197

Effect of Etodolac on MTX Pharmacokinetics in Patients with RA
J-M. Anaya, D. Fabre, F. Bressolle, et al 203

Immunocytologic Characteristics of Mononuclear Cell Populations Found in Nonseptic Olecranon Bursitis
D.L. Smith, A.C. Bakke, S.M. Campbell, J.H. Beckstead 209

Clinical and Laboratory Features of SS in Young Women with Previous Postpartum Thyroiditis
B. Gudbjörnsson, A. Karlsson-Parra, E. Karlsson, R. Hällgren, O. Kämpe 215

Lipoprotein(a) Levels in SLE
E.F. Borba, R.D. Santos, E. Bonfa, et al 220
Survival Impact of Autoantibodies in SLE
P.S. Gulko, J.D. Reveille, W.J. Koopman, S.L. Burgard, A.A. Bartolucci, G.S. Alarcón 224
Evidence of HCV Antibodies in the Cryoprecipitate of Patients with Mixed Cryoglobulinemia *S. Muñoz-Fernández, F.J. Barbado, E. Martín Mola, et al* 229
The Tissue Specific Elevation in Synthesis of the 90 kDa Heat Shock Protein Precedes the Onset of Disease in Lupus Prone MRL/lpr Mice
G.B. Faulds, D.A. Isenberg, D.S. Latchman 234
Silicone Gel Filled Breast Implants and CTD: An Overview *R.F. Spiera, A. Gibofsky, H. Spiera* 239
***Pneumocystis carinii* Pneumonia in the Course of CTD: Report of 34 Cases** *B. Godeau, V. Coutant-Perronne, Du Le Thi Huong, et al* 246
Circulating Group II Phospholipase A_2 Activity and Antilipocortin Antibodies in SLE. Correlative Study with Disease Activity
W. Pruzanski, N.J. Goulding, R.J. Flower, et al ... 252
Significance of Isolated Vasculitis of the Vasa Vasorum on Temporal Artery Biopsy
P. Disdier, J-F. Pellissier, J-R. Harle, D. Figarella-Branger, G. Bolla, P-J. Weiller 258
The Effects of Comprehensive Home Physiotherapy and Supervision on Patients with AS — An 8-Month Followup *G. Kraag, B. Stokes, J. Groh, A. Helewa, C.H. Goldsmith* 261
Cost Effectiveness of Group Physical Therapy Compared to Individualized Therapy for AS. A Randomized Controlled Trial
C. Bakker, A. Hidding, S. van der Linden, E. van Doorslaer 264
Feasibility of Utility Assessment by Rating Scale and Standard Gamble in Patients with AS or FMS *C. Bakker, M. Rutten, E. van Doorslaer, K. Bennett, S. van der Linden* 269
Determinants of Self-Reported Health Status in AS
A. Hidding, L. de Witte, S. van der Linden 275
Distribution and Predictors of Depressive Symptoms in OA *P. Dexter, K. Brandt* 279
Intermittent Loading Induces the Expression 3-B-3(−) Epitope in Cultured Bovine Articular Cartilage *R.H. Ostendorf, R.J. van de Stadt, G.P.J. van Kampen* 287
Binding Characteristics of Antitype II Collagen Antibody to the Surface of Diseased Human Cartilage as a Probe for Tissue Damage
K. Noyori, T. Koshino, T. Takagi, R. Okamoto, H.E. Jasin 293
The Molecular Weight of Therapeutic Hyaluronan (Sodium Hyaluronate): How Significant is it?
A.D. Aviad, J.B. Houpt 297
Prevalence of Rheumatic Diseases in Taiwan: A Population Study of Urban, Suburban, Rural Differences *C-T. Chou, L. Pei, D-M. Chang, C-F. Lee, H.R. Schumacher, M.H. Liang* 302
Mechanical and Constitutional Risk Factors for Symptomatic Knee OA: Differences Between Medial Tibiofemoral and Patellofemoral Disease
C. Cooper, T. McAlindon, S. Snow, et al 307
Comparative and Combined Effects of IL-6, IL-1ß, and TNF-α on Proteoglycan Metabolism of Human Articular Chondrocytes Cultured in Agarose *A-M. Malfait, G. Verbruggen, E.M. Veys, J. Lambert, L. De Ridder, M. Cornelissen* 314
Early Cartilage Degradation in Cationic Immune Complex Arthritis in Mice: Relative Role of IL-1, the Polymorphonuclear Cell (PMN) and PMN Elastase *P.L.E.M. van Lent, A.E.M. van den Hoek, L.A.M. van den Bersselaar, et al* 321
Sex Difference in Inflammation Induced Cartilage Damage in Rodents. The Influence of Sex Steroids *J.A.P. Da Silva, J-P. Larbre, M.P. Seed, et al* 330
NSAID Modulation of Prosthesis Pseudomembrane Induced Bone Resorption *J.H. Herman, W.G. Sowder, E.V. Hess* 338

Case Reports

Inclusion Body Myositis in Association with RA
M. Soden, K. Boundy, D. Burrow, P. Blumbergs, M. Ahern 344
Acute Renal Failure After iv Immunoglobulin Therapy *A.M.G. Pasatiempo, J.A. Kroser, M. Rudnick, B.I. Hoffman* 347
Acquired Factor VIII Inhibitor Associated with Chronic IFN-α Therapy *R.B. Stricker, B. Barlogie, D.D. Kiprov* 350
DM Occurring During Psoralen A (PUVA) Therapy
P.A. Sinoway, C.L. Davidson, J.P. Callen 353
Chronic Salicylate Intoxication and Rhabdomyolysis in a Patient with Scleroderma and SS *Y. Nawata, M. Kagami, H. Nakajima, et al* 357
Idiopathic Retroperitoneal Fibrosis with Systemic Manifestations *C. Bonnet, M. Arnaud, P. Bertin, R. Treves, R. Desproges Gotteron* 360
Reversible Monocular Blindness Complicating Churg-Strauss Syndrome *A.R. Alberts, R. Lasonde, K.R. Ackerman, E.K. Chartash, M. Susin, R.A. Furie* 363
Churg-Strauss Syndrome with Nongiant Cell Eosinophilic TA
J.T. Lie, S. Nagpal 366
Gout Masquerading as Rheumatoid Vasculitis
A. Sharma, B.A. Baethge, E.B. Smith, M.E. Shepherd, J.R. Lisse 368

Correspondence

Interrater Reliability of the Tender Point Criterion for FMS *F. Wolfe* 370
Reply *A. Cott, W. Parkinson, J. Adachi, et al* 370
Reactive Arthritis Following a Salmonella Epidemic *A.S. Russell* 371
Reply *H. Locht, F.D. Lindström, E. Kihlström* 371
RS_3PE Syndrome with Unilateral Involvement
I. Olivieri, A. Padula, L. Favaro, G.S. Oranges, S. Ferri 372
Reply *J.J. Canoso* 372
Calcified Synovial Cysts of Zygapophyseal Joints *D. Wendling, D. Ferraud* 373
Reply *J-C. Gerster* 374
A Survey of Current Prescribing Practices in Gouty Arthritis and Asymptomatic Hyperuricemia in Sao Paulo, Brazil
M. Bosi Ferraz, E.I. Sato, I.A. Nishie, R.A. Visioni 374
Reply *N. Bellamy* 375

Letters

The Effect of Hydroxychloroquine Therapy on Serum Levels of Immunoregulatory Molecules in Patients with SLE *D.J. Wallace, M. Linker-Israeli, S. Hyun, J.R. Klinenberg, V. Stecher* 375
Colonic Perforation in a Patient with Amyloidosis and AS *M.A. Gonzalez-Gay, M.D. Alonso, M. Bal, et al* 376
Xerostomia and Its Effect on Well Being in Patients with RA
S. Reisine, J.M. Tanzer 378
Unilateral Scleroderma Following Ischemic Hand Injury
G. McColl, R.R.C. Buchanan 380
Cyclosporine A as First Choice Therapy for DM
J.M. Grau, C. Herrero, J. Casademont, J. Fernández-Solà, A. Urbano-Márquez 381
Transplacental Passage of Colchicine in FMF
Z. Amoura, J-M. Schermann, B. Wechsler, X. Zerah, P. Godeau 383

Notices 383

VOLUME 21: NO. 3 **MARCH 1994**

Editorials

Musculoskeletal Disability and Rheumatology
D.A. Gordon, R.D. Inman 387
Seropositive Versus Seronegative RA — Time for a New Definition
K. Aho, P. Kurki 388
Seronegative RA: Tell It As It Is
W.W. Buchanan, D.P. Singal 391
SLE — Disease Activity, Severity, Treatment and Costs
D.A. Isenberg, E. Shortall, S. Newman 394
Vasculitis in the APS: Culprit or Consort?
J.T. Lie 397

Articles

Synergism of IL-1 and iL-6 Induces Serum Amyloid A Production While Depressing Fibrinogen: A Quantitative Analysis
H. Rokita, L.D. Loose, L.M. Bartle, J.D. Sipe 400
Cytokine Induction of Adhesion Molecules on Synovial Type B Cells
F.M. Cicuttini, M. Martin, A.W. Boyd 406
Utility of Needle Muscle Biopsy in a University Rheumatology Practice
K.S. O'Rourke, M. Blaivas, R.W. Ike 413
Interrelationship of Outcome Measures and Process Variables in Early RA: A Comparison of Radiologic Damage, Physical Disability, Joint Counts, and Acute Phase Reactants
M.A. van Leeuwen, D.M.F.M. van der Heijde, M.H. van Rijswijk, et al 425
Influence of Corticosteroid Pulse Therapy on the Serum Levels of Soluble IL-2 Receptor, IL-6 and IL-8 in Patients with RA
H.R. van den Brink, M.J.G. van Wijk, R.G.M. Geertzen, J.W.J. Bijlsma 430
The Longterm Effect of Pulsed Corticosteroids on the Efficacy and Toxicity of Chrysotherapy in RA *M. Heytman, M.J. Ahern, M.D. Smith, P.J. Roberts-Thomson* 435
Association of Complement C4 and HLA-DR Alleles with SLE in Koreans
G.H. Hong, H.Y. Kim, F. Takeuchi, et al 442
The Impact of Disease Activity, Treatment and Disease Severity on Short Term Costs of SLE
D. Lacaille, A.E. Clarke, D.A. Bloch, D. Danoff, J.M. Esdaile 448
Lyme Disease: An Infectious and Postinfectious Syndrome *E.S. Asch, D.I. Bujak, M. Weiss, M.G.E. Peterson, A. Weinstein* 454
Induction of Cyclooxygenase by IL-1: Comparative Study Between Human Synovial Cells and Chondrocytes *I. Knott, M. Dieu, M. Burton, A. Houbion, J. Remacle, M. Raes* 462
The Effect of Recombinant Human IL-1 Receptor Antagonist on the Induction Phase of Antigen Induced Arthritis in the Rabbit
J. Lewthwaite, S.M. Blake, T.E. Hardingham, P.J. Warden, B. Henderson 467
Comparative Efficacy and Toxicity of 10-Ethyl-10-Deazaaminopterin and MTX in a Mycobacterial Rat Arthritis Model
K.J. Skeith, C. Ramos-Remus, A.S. Russell 473
Effects of a Novel Azaspirane (SK&F 105685) on Arthritic Lesions in the Adjuvant Lewis Rat: Attenuation of the Inflammatory Process and Preservation of Skeletal Integrity
W.B. High, P.J. Bugelski, M.E. Nichols, B.A. Swift, H.A. Solleveld, A.M. Badger 476
Experimental Induction of Arthritis in Rats Immunized with *Escherichia coli* 0:14 Lipopolysaccharide *K. Noyori, R. Okamoto, T. Takagi, A. Hyodo, K. Suzuki, T. Koshino* 484
Anticytoskeletal Autoantibody Development in Adjuvant Arthritis *A. Franch, C. Castellote, J.L. Vilà, S. Vilaró, M. Castell* 489
X-Ray Bone Densitometry in the Diagnosis and Followup of RSDS
M. Arriagada, R. Arinoviche 498
Effect of Exercise on ^{99m}Tc-DTPA Clearance from Knees with Effusions *M.J. James, L.G. Cleland, R.D. Gaffney, S.M. Proudman, B.E. Chatterton* 501

Relative Importance of Musculoskeletal Disorders as a Cause of Chronic Health Problems, Disability, and Health Care Utilization: Findings from the 1990 Ontario Health Survey. *E.M. Badley, I. Rasooly, G.K. Webster* 505

Socioeconomic Risk Factors and Musculoskeletal Disability *E.M. Badley, D. Ibañez* 515

FMS: Assessment of the Severity of the Condition 2 Years After Diagnosis *G. Granges, P. Zilko, G.O. Littlejohn* 523

Pediatric Rheumatology

Effects of Nutritional Supplementation on Bone Mineral Status of Children with Rheumatic Diseases Receiving Corticosteroid Therapy *B.D. Warady, C.B. Lindsley, R.G. Robinson, B.P. Lukert* 530

Development of a Self-Report Functional Status Index for JRA *F.V. Wright, M. Law, V. Crombie, C.H. Goldsmith, P. Dent* 536

Budd-Chiari Syndrome Associated with aPL in a Child *L.F. Saca, I.S. Szer, E. Henar, P. Nanjundiah, Z.H. Haddad, F.P. Quismorio, Jr* 545

Fatal Bronchiolitis Obliterans in a Patient with JRA Receiving Chrysotherapy *S.J. Pegg, B.A. Lang, E.L. Mikhail, D.M. Hughes* 549

Case Reports

Complicated Cogan's Syndrome with Aortic Insufficiency and Coronary Stenosis *M. Hammer, T. Witte, A. Mügge, et al* 552

The Concomitant Expression of Vasculitis and Coagulopathy: Synergy for Marked Tissue Ischemia *P.V. Rocca, L.B. Siegel, T.R. Cupps* 556

Familial Vasculitis *M. Rottem, M.F. Cotch, A.S. Fauci, G.S. Hoffman* 561

Arthritis and Iritis After BCG Therapy for Bladder Cancer *G.E. Price* 564

WG Presenting as Lower Back Pain with Prostatitis and Ureteral Obstruction *G. Middleton, D. Karp, E. Lee, J. Cush* 566

Mesalamine Therapy in Reiter's Syndrome *G.T.D. Thomson, C. McKibbon, R.D. Inman* 570

Pelvic Pseudotumoral CPPD Deposition: An Ultrastructural Study *Y.M. Maugars, L.F. Peru, B. El Messaoudi, et al* 573

Correspondence

Do Generic Health Measures Have a Role in the Assessment of RA? *A.S. Zbrozek* 577

Reply *R. Fitzpatrick* 577

Complement C4 Levels in SLE in Relation to Null Allele Status *W.A. Wilson* 577

Reply *J.M. Moulds, N.B. Warner, F.C. Arnett* 578

Antibodies to dsDNA in Drug Induced Lupus Erythematosus *M.G. Cohen* 578

Reply *G. Starkebaum, R.L. Rubin* 579

The Presence of Chronic Widespread Pain in the General Population *T.S. Russell, J.S. Percy* 579

Reply *A. Calin, L.G. Kennedy* 579

Lyme Disease in Sub-Saharan Africa *A.O. Adebajo, J.S. Axford, D.H.E. Rees* 580

Reply *O. Neira, L. Guzman* 580

Letters

Focal Radiolucent Hepatic Lesions in a Patient with JRA *R.K. Agarwal, K.M. O'Neil, D. Bedi* 580

Prediction of Glomerular Filtration Rate in Patients with RA: Satisfactory Performance of Cockroft Formula *M. Boers, B.A.C. Dijkmans, F.C. Breedveld* 581

Book Reviews

Handbuch psychosozialer Messinstrument 583

Textbook of Rheumatology, 4th edition (2 Volume Set) 583

Correction

Reliability and Validity of the Measurement of Position Sense *R. Marks, A.H. Quinney, J. Wessel* 583

Notices 583

VOLUME 21: NO. 4 — APRIL 1994

Editorials

Changing Trends in the Hospitalization of Patients with RA and the Future of the Inpatient RDU *K.L.N. Blocka* 587

Case Definition of Hip OA in Epidemiologic Studies *P. Croft, C. Cooper, D. Coggon* 591

Persisting Symptoms of Lyme Disease — Possible Explanations and Implications for Treatment *L.H. Sigal* 593

Articles

Administration of an Anti-CD5 Immunoconjugate to Patients with RA: Effect on PBMC and *In Vitro* Immune Function *D.M. Fishwild, V. Strand* 596

Soluble E-Selectin is Increased in Inflammatory SF *C.W. Carson, L.D. Beall, G.G. Hunder, C.M. Johnson, W. Newman* 605

Effect of Sulfasalazine on B Cell Hyperactivity in Patients with RA *F. Imai, T. Suzuki, T. Ishibashi, M. Tanaka, Y. Akiyama, Y. Dohi* 612

IL-1ß Enhances the Response of Rabbit Synovial Fibroblasts *In Vitro* to Dexamethasone Injury: Implication for the Role of Increased Nuclear Hypersensitive Sites and the Number of Dexamethasone Receptors *J. Hoshino, G. Beckmann, J. Huser, H. Kröger* 616

Radiographic Measurement of Hallux Valgus in the Rheumatoid Arthritic Foot *E. Budiman-Mak, K.E. Roach, R. Stuck, F. Spencer, T. Polizos, K.J. Conrad* 623

Home Exercise in RA Functional Class II: Goal Setting Versus Pain Attention *C.H. Stenstrom* 627

Listeriosis in Patients with CTD *A. Kraus, A.R. Cabral, J. Sifuentes-Osornio, D. Alarcón-Segovia* 635

Inverse Relation Between Plasma Concentration of vWf and CrEDTA Clearance in SSc *A. Scheja, J. Eskilsson, A. Åkesson, F.A. Wollheim* 639

Strength in PM and DM: Best Outcome in Patients Treated Early *R.G. Fafalak, M.G.E. Peterson, L.J. Kagen* 643

Myositis in Primary SS *A. Kraus, M. Cifuentes, A.R. Villa, J. Jakez, E. Reyes, D. Alarcón-Segovia* 649

P-31 Magnetic Resonance Spectroscopy of Skeletal Muscle in the EMS: A Preliminary Study *D.J. Clauw, B. Hewes, M. Nelson, P. Katz, S. Rajan* 654

Behçet's Disease in Saudi Arabia *A.N. Al-Dalaan, S.R. Al Balaa, K. El Ramahi, et al* 658

Improvement in CD4 Lymphocyte Count in HIV-Reiter's Syndrome after Treatment with Sulfasalazine *E. Disla, H.R. Rhim, A. Reddy, A. Taranta* 662

Polymorphism in an HLA Linked Proteasome Gene Influences Phenotypic Expression of Disease in HLA-B27 Positive Individuals *W.P. Maksymowych, A. Wessler, M. Schmitt-Egenolf, et al* 665

Tolerance to the HLA-B27 and *Klebsiella pneumoniae* Crossreactive Epitope in Mice Transgenic for HLA-B2705 and Human ß$_2$-microglobulin *B. Singh, T. Dillion, J. Lauzon, E. Fraga, A.S. Russell* 670

Arthroscopic Evaluation of Knee Articular Cartilage: A Comparison with Plain Radiographs and MRI *W.D. Blackburn, Jr., W.K. Bernreuter, M. Rominger, L.L. Loose* 675

The Effects of Intraarticular Hyaluronan on Cartilage and Subchondral Bone Changes in an Ovine Model of Early OA *S. Armstrong, R. Read, P. Ghosh* 680

A Double Blind Study Comparing the Efficacy and Safety of Enteric Coated Naproxen to Naproxen in the Management of NSAID Intolerant Patients with RA and OA *J.R. Caldwell, S.H. Roth, and the Naproxen EC Study Group* .. 689

ACTH Revisited: Effective Treatment for Acute Crystal Induced Synovitis in Patients with Multiple Medical Problems *J. Ritter, L.D. Kerr, J. Valeriano-Marcet, H. Spiera* 696

Gout Attacks in Chronic Alcoholics Occur at Lower Serum Urate Levels than in Nonalcoholics *M.K. Vandenberg, G. Moxley, S.A. Breitbach, W.N. Roberts* 700

Body Lead Stores and Urate Excretion in Men with Chronic Renal Disease *J-L. Lin, P-T. Huang* 705

Colchicine Disposition in Patients with FMF with Renal Impairment *E. Ben-Chetrit, J-M. Scherrmann, E. Zylber-Katz, M. Levy* 710

A Randomized, Controlled Clinical Trial of Education and Physical Training for Women with Fibromyalgia *C.S. Burckhardt, K. Mannerkorpi, L. Hedenberg, A. Bjelle* 714

Potential for Bias in Severity Adjusted Hospital Outcomes Data: Analysis of Patients with Rheumatic Disease *G.E. Rosenthal* 721

Factors Affecting Length of Hospitalization in a RDU *E. Jones, J. Verrier Jones* 728

Measurement of Plasma Calprotectin as an Indicator of Arthritis and Disease Activity in Patients with Inflammatory Rheumatic Diseases *J.G. Brun, R. Jonsson, H-J. Haga* 733

Pediatric Rheumatology

Monitoring Disease Activity in JDM: The Role of vWf and Muscle Enzymes *J. Guzmán, R.E. Petty, P.N. Malleson* 739

An Unusual Pattern of Growth Disturbance of the Hip in JRA *D.E. Hastings, E. Orsini, P. Myers, J. Sullivan* 744

Case Reports

Sulfasalazine Induced Seizures and Dysphasia *M.E. Hill, C. Gordon, R.D. Situnayake, D.A. Heath* 748

Sulfasalazine Induced Lupus in RA *M. Caulier, C. Dromer, V. Andrieu, P. Le Guennec, B. Fournie* 750

Rapid Exacerbation of Scleroderma in a Patient Treated with IL-2 and Lymphokine Activated Killer Cells for Renal Cell Carcinoma *D.W. Puett, H.A. Fuchs* 752

Familial CREST Syndrome *G.J. McColl, R.R.C. Buchanan* 754

Coronary Artery Stenosis in Reiter's Syndrome: A Complication of Aortitis *Y.T. Hoogland, E.P. Alexander, R.H. Patterson, D.J. Nashel* 757

Angiocentric T Cell Lymphoma Masquerading as Cutaneous Vasculitis *R. Thomas, F. Vuitch, S. Lakhanpal* 760

Tuberculous Tenosynovitis of the Wrist Mimicking de Quervain's Disease *W-S. Chen, H-L. Eng* 763

Fungal Arthritis Due to *Pseudallescheria boydii (Scedosporium apiospermum)* *F. Dellestable, L. Kures, D. Mainard, P. Pere, A. Gaucher* 766

Correspondence

Rheumatic Diseases and AIDS — Is the Association Real?
C.M. Stein, P. Davis 769
Reply *A.M. Solinger, E.V. Hess* 769
Aneurysms of the Retinal Arteries in Patients with PAN Were Not Found
P. Cortina, M. Diaz, M. Prieto 770
Reply *E. Hachulla* 770
The Philatelic Rheumatologist
G.E. Ehrlich 770
Reply *R.A. Greenwald* 770

Letters

SS in Seronegative Spondyloarthropathies: An Unusual Finding *S.E. Gusis, N.G. Villa, J.A. Maldonado Cocco, et al* 771

Recovery from Pulmonary Hypertension with Steroid Therapy in a Patient with SS and PM
J. Mariett, F. Brenot, J-C. Brouet 772

Coexistent Acute Gouty Arthritis and AS. A Rare Occurrence
D.M.T. Wong, I.M. Chalmers 773

Lymphomatoid Granulomatosis, an Unusual Cause of Inflammatory Arthritis
F. Clarke, P. Crook, J. McDonagh 774

Subarachnoid Hemorrhage Associated with Bilateral Internal Carotid Artery Aneurysms as a Manifestation of Behçet's Disease
S. Dietl, M. Schuhmacher, H. Menninger, J.T. Lie 775

Septic Arthritis in Waldenstrom's Macroglobulinemia
P.W. Taylor, L.C. Fischbein 776

Notices 777

VOLUME 21: NO. 5 — MAY 1994

Editorials

Prospects for Treating Arthritis by Gene Therapy
C. Evans, P.D. Robbins 779

Via Dolorosa: From the First to the Second Station *Y.T. Konttinen, T. Sorsa, S. Santavirta, A. Russell* 783

Therapy of Vasculitis *P.A. Bacon* 788

Articles

Hypothesis — The Influence of Sex in Arthritis: Is Cartilage an Overlooked Factor?
J.A.P. Da Silva, D.A. Willoughby 791

Cytokine Interactions Promoting DNA Synthesis in Human Synovial Fibroblasts
J.A. Hamilton, D.M. Butler, H. Stanton 797

Treatment of Patients with Refractory RA with Extracorporeal Protein A Immunoadsorption Columns
C.W. Wiesenhutter, B.L. Irish, J.H. Bertram 804

Serum Keratan Sulfate Levels in RA: Inverse Correlation with Radiographic Staging
B. Haraoui, E.J-M.A. Thonar, J. Martel-Pelletier, et al 813

Comparison Between Self-Report Measures and Clinical Observations of Functional Disability in AS, RA and FM *A. Hidding, M. van Santen, E. de Klerk, et al* 818

Recombinant Secreted Nonpancreatic PLA_2 Induces a Synovitis-Like Inflammation in the Rat Air Pouch *G. Cirino, C. Cicala, L. Sorrentino, F.M. Maiello, J.L. Browning* 824

Remarkable Elevation of IL-6 and IL-8 Levels in the Bone Marrow Serum of Patients with RA
M. Tanabe, T. Ochi, T. Tomita, et al 830

MTX in SLE *B.A.E. Walz LeBlanc, P. Dagenais, M.B. Urowitz, D.D. Gladman* 836

SLE Is Not Associated with Allotypic Markers of Immunoglobulin Kappa in Caucasians
R. Singh, P.F. Mullinax, G. Moxley 839

Longstanding Hyperprolactinemia Associated with SLE: Possible Hormonal Stimulation of an Autoimmune Disease *R.W. McMurray, S.H. Allen, A.L. Braun, F. Rodriguez, S.E. Walker* 843

Altered Poly(ADP-Ribose) Metabolism in Family Members of Patients with SLE
B.L. Haug, J.S. Lee, J.T. Sibley 851

Association of HLA-DR with PSS in Japanese
F. Takeuchi, K. Nakano, H. Yamada, et al 857

ANCA in 6 Patients with Renal Failure and SSc
H. Endo, T. Hosono, H. Kondo 864

Absence of ANCA in GCA
T.A.R. Baranger, M.A.P. Audrain, A. Castagne, J.H. Barrier, V.L.M. Esnault 871

Rubella Arthritis. An Outbreak in Kyoto
Y. Ueno 874

***Ureaplasma urealyticum* in RS** *S. Horowitz, J. Horowitz, D. Taylor-Robinson, et al* 877

Distribution of SP and Calcitonin Gene Related Peptide Immunoreactivity in the Normal Feline Knee *K.W. Marshall, E. Theriault, D.A. Homonko*...883

Serum Ferritin and Isoferritins are Tools for Diagnosis of Active Adult Still's Disease
C. van Reeth, G. Le Moel, Y. Lasne, et al 890

Probenecid Inhibits TGFß1 Induced Pyrophosphate Elaboration by Chondrocytes
A.K. Rosenthal, L.M. Ryan 896

Modification of Cytokine Production by Piroxicam
E.D. Rosenstein, J. Kunicka, N. Kramer, G. Goldstein 901

A Randomized, Double Blind, Placebo Controlled Trial of iv Loading with S-Adenosylmethionine (SAM) Followed by Oral SAM Therapy in Patients with Knee OA
J.D. Bradley, D. Flusser, B.P. Katz, et al 905

Characterization of Chondrocyte Alkaline Phosphatase as a Potential Mediator in the Dissolution of CPPD Crystals
Y. Xu, K.P.H. Pritzker, T.F. Cruz 912

Stimulation of Proteoglycan Synthesis by Triamcinolone Acetonide and IGF-1 in Normal and Arthritic Murine Articular Cartilage
P.J. Verschure, P.M. van der Kraan, E.L. Vitters, W.B. van den Berg 920

Multicenter Clinical Trial of Zinc Acexamate in the Prevention of NSAID Induced Gastroenteropathy *A. Rodríguez de la Serna, M. Díaz-Rubio and the Spanish Study Group on NSAID Induced Gastroenteropathy Prevention* .. 927

Case Reports

Accelerated Nodulosis, Pleural Effusion, and Pericardial Tamponade During MTX Therapy
M. Abu-Shakra, P. Nicol, M.B. Urowitz 934

Gold Induced Colitis and Hepatic Toxicity in a Patient with RA *M. Nisar, J. Winfield* 938

Papulonodular Dermal Mucinosis in SLE
B.A. Jackson, D.P. Fivenson 940

Pulmonary Hypertension Secondary to Thrombosis of the Pulmonary Vessels in a Patient with the Primary APS
A. Brucato, F. Baudo, M. Barberis, et al 942

Muscle Involvement in PAN: Report of a Patient Presenting Clinically as PM
J.G. Fort, R. Griffin, A. Tahmoush, J.L. Abruzzo 945

PAN Clinically Masquerading as TA with Lymphadenopathy *B.A.E. Walz LeBlanc, E.C. Keystone, J.T. Feltis, W.R. Geddie, J.T. Lie* 949

***Candida albicans* Spondylodiscitis and Vertebral Osteomyelitis in Patients with iv Heroin Drug Addiction** *A. Lafont, A. Olivé, M. Gelman, J. Roca-Burniols, R. Cots, J. Carbonell* 953

Septic Arthritis Due to *Mycobacterium marinum*
M. Harth, E.D. Ralph, R. Faraawi 957

A Familial Syndrome of Dwarfism, Bilateral Club Feet, Premature Aging and Progressive Panhypogammaglobulinemia *J. Lenaerts, J-P. Fryns, R. Westhovens, J. Dequeker* 961

Correspondence

Liver Biopsy in Patients with RA Taking MTX
J. Shiroky 964
Reply *J.M. Kremer* 964
Axillary Lymphadenopathies Due to Silicone Implants *J.A. Maldonado-Cocco* 965
Reply *S.A. Bernstein* 965
Sex Hormones and Childhood SLE
L. Barile, L.J. Jara, A. Graef, C. Lavalle 966
Reply *B.H. Athreya, R.G. Lahita* 966
Nutritional Therapy for Active Arthritis in Pregnant or Breast Feeding Women. Preliminary Observations *R.S. Panush, P. Cai, Y. Chuzchin, et al* 967
Reply *X. Le Loet, A. Daragon* 968

Letters

Rheumatoid Factors in Association with RA and Infectious Diseases in West Africans
A.O. Adebajo, T.E. Cawston, B.L. Hazleman 968

Fetal Outcome in Lupus Pregnancy: The Prognostic Significance of an Untreated and Treated LAC *H. Julkunen, T. Jouhikainen, R. Kaaja* 970

Polymicrobial Polyarticular Arthritis
D.J. Mikolich, F. Schlaeffer, R.J. Ryter 971

Adenocarcinoma of the Lung Associated with Eosinophilia and Hidebound Skin
D.W. Henry, A. Rosenthal, D.J. McCarty 972

Notices 973

VOLUME 21: NO. 6 — JUNE 1994

Editorials

aPL Revisited *D.A. Gordon* 977

aPL — Middle Aged But Robust
E.N. Harris, A. Gharavi, R.A. Asherson, M.A. Khamashta, G.R.V. Hughes 978

aPL. Where Do They Come From? Where Do They Go?
D. Alarcón-Segovia, A.R. Cabral 982

The Role of iv Infusions of Gamma Globulin in the Therapy of PM and DM
G.L. Sussman, W. Pruzanski 990

Articles

Regulation of GM-CSF Production by Human Articular Chondrocytes. Induction by both TNF-α and IL-1, Downregulation by TGF-β and Upregulation by Fibroblast Growth Factor
S. Alsalameh, G.S. Firestein, S. Oez, R. Kurrle, J.R. Kalden, G.R. Burmester 993

Increase in Adhesion Molecules on CD4+ Cells and CD4+ Cell Subsets in SF from Patients with RA
Y. Ueki, K. Eguchi, H. Shimada, et al 1003

IFN-γ Induced Production of Indoleamine 2,3 Dioxygenase in Cultured Human Synovial Cells
D.G. Malone, P.W. Dolan, R.R. Brown, et al 1011

Synergistic Inhibition of T Cell Proliferation by GSTM and AF
K. Hashimoto, C.E. Whitehurst, P.E. Lipsky 1020

The Sa System: A Novel Antigen-Antibody System Specific for RA *N. Després, G. Boire, F.J. Lopez-Longo, H-A. Ménard* 1027

Phenotype/Genotype Relationships for the Cytochrome P450 Enzyme CYP2D6 in RA: Influence of Drug Therapy and Disease Activity *C. Beyeler, A.K. Daly, M. Armstrong, C. Astbury, H.A. Bird, J.R. Idle* 1034

Anti-Ro(SSA) Antibodies in Patients with RA — A Possible Marker for Gold Induced Side Effects *M. Tishler, B. Golbrut, Y. Shoenfeld, M. Yaron* 1040

Upper Limb Lymphedema Associated with Polyarthritis of Rheumatoid Type *P.D.W. Kiely, A.E.A. Joseph, P.S. Mortimer, B.E. Bourke* 1043

Are Patient Self-Report Measures of Arthritis Activity Confounded by Mood? A Longitudinal Study of Patients with RA *M.M. Ward* 1046

Functional Disability in Early RA: Description and Risk Factors *F. Guillemin, T. Suurmeijer, B. Krol, et al* 1051

Hypothesis — Neurotransmitter Status and Remission of RA in Pregnancy *C. Gilbert* 1056

A Prospective Study of Neurophysiologic, Neurologic, and Immunologic Abnormalities in SLE *J.M. McNicholl, D. Glynn, A-B. Mongey, M. Hutchinson, B. Bresnihan* 1061

Influence of the APS in the Survival of Patients with SLE *C. Drenkard, A.R. Villa, D. Alarcón-Segovia, M.E. Pérez-Vázquez* 1067

Autoimmune Sera React with Multiple Epitopes on Recombinant 52 and 60 kDa Ro(SSA) Proteins *D.P. McCauliffe, H. Yin, L-X. Wang, L. Lucas* 1073

Antihistone Antibodies in SLE: Assay Dependency and Effects of Ubiquitination and Serum DNA *T. Suzuki, R.W. Burlingame, C.A. Casiano, M.L. Boey, R.L. Rubin* 1081

IVIG as First Line Therapy in PM and DM: An Open Study in 11 Adult Patients *P. Cherin, J.C. Piette, B. Wechsler, et al* 1092

Systemic Interferon α2b Treatment in Behçet's Syndrome *V. Hamuryudan, F. Moral, S. Yurdakul, et al* 1098

Spondyloarthropathies in Circumpolar Populations of Chukotka (Eskimos and Chukchi): Epidemiology and Clinical Characteristics *S. Erdesz, S.V. Shubin, B.P. Shoch, et al* 1101

RS_3PE Syndrome: No Evidence for Retroviruses *E.B. Russell, D.J. McCarty, J. Schwab, et al* 1105

Site Specific Inhibition of Cartilage Proteoglycan Synthesis in the Murine Knee Joint. Differences Between 3 Metabolic Stimuli *G.J.V.M. van Osch, P.M. van der Kraan, W.B. van den Berg* 1107

Sleep Cycles and Alpha-Delta Sleep in FMS *J. Branco, A. Atalaia, T. Paiva* 1113

A Longterm Endoscopic Evaluation of Patients with Arthritis Treated with Nabumetone vs Naproxen *S.H. Roth, R. Bennett, P. Caldron, C. Mitchell, C. Swenson, R. Koepp* 1118

Pediatric Rheumatology

Complement Activation and Immune Complexes in Children with Polyarticular JRA: A Longitudinal Study *J.N. Jarvis, H. Taylor, M. Iobidze, M. Krenz* 1124

Prevalence of a Mutation Causing C2 Deficiency in SLE *K.E. Sullivan, M.A. Petri, B.J. Schmeckpeper, R.H. McLean, J.A. Winkelstein* 1128

Case Reports

Hemorrhagic Rupture of the Shoulder *D.J. McCarty, A.B. Swanson, R.H. Ehrhart* 1134

Henoch-Schönlein Purpura in RA *H. Mitsuhashi, M. Mitsuhashi, Y. Tsukada, S. Yano, T. Naruse* 1138

Chronic Ascites in Late Onset SLE with aPL *X. Corbella, F. Mitjavila, E. Campoy, A. Saez, I. Moga, A. Vidaller* 1141

Tachyphylaxis of iv Immunoglobulin in Refractory Inflammatory Myopathy *A.M. Reimold, M.E. Weinblatt* 1144

Localized PM Associated with Chronic Thyroiditis *J. Fujitake, Y. Ishikawa, S. Ishimaru, T. Koh, Y. Tatsuoka* 1147

PAN in Hairy Cell Leukemia: Treatment with IFN-α *M.T. Carpenter, S.G. West* 1150

Exacerbation of WG During Pregnancy: Report of a Case with Tracheal Stenosis *R. Pauzner, H. Mayan, E. Hershko, M. Alcalay, Z. Farfel* 1153

WG in the Elderly — Unusual Presentations and Misdiagnosis *K. Chakravarty, D.G.I. Scott, J. Blyth, R.G. Courteney-Harris* 1157

Intrinsic Spinal Cord Lesions in 2 Patients with AS *A.L. Dolan, T. Gibson* 1160

Tumor Induced Osteomalacia *D.E. Ioakimidis, G.K. Dendrinos, K.B. Frangia, et al* 1162

Chronic Modulation of the Autoimmune Response Following Parvovirus B19 Infection *P. Vigeant, H-A. Ménard, G. Boire* 1165

Correspondence

Renal Effect of Low Dose MTX in RA *M. Hammoudeh, A-R. Siam, I. Khanjar* 1168

Reply *P. Seideman, R. Müller-Suur* 1168

MTX May Affect Certain T Lymphocyte Subsets in RA Resulting in Susceptibility to *Pneumocystis carinii* Infection *P.M. Houtman, A.A.M.E. Stenger, G.A.W. Bruyn, J. Mulder* 1168

Reply *T. Dawson, P.F.J. Ryan* 1169

Do Steroids Influence Low Dose MTX Pharmacokinetics? *H. Koerber, W.L. Gross, H. Iven* 1170

Reply *P. Lafforgue, S. Monjanel-Mouterde, A. Durand, J. Catalin, P-C. Acquaviva* 1171

Charcot's Arthropathy of the Shoulder *R. Geddes* 1172

Reply *J.B. Houpt, J.R. Parikh, B.J. Fernandes* ... 1172

Salmonella Septic Arthritis in Patients with HIV *A. Olivé, X. Tena* 1172

Reply *W. Louthrenoo* 1172

ANCA in Systemic PAN with and Without HBV Infection and Churg-Strauss Syndrome — 62 Patients *S. Hauschild, E. Csernok, W.H. Schmitt, W.L. Gross* 1173

Reply *L. Guillevin* 1174

Notices 1174

VOLUME 21: NO. 7 **JULY 1994**

Editorials

The ESR — Time Honored and Tradition Bound *A. Weinstein, J. Del Giudice* 1177

What Can We Learn about Rheumatic Diseases by Studying Pima Indians? *L.T.H. Jacobsson, S.R. Pillemer* 1179

Autoantibodies are Central to the Diagnosis and Clinical Manifestations of Lupus *J.B. Harley* 1183

Articles

Specificity of Antibodies to Type II Collagen in Early RA *A.D. Cook, M.J. Rowley, A. Stockman, K.D. Muirden, I.R. MacKay* 1186

Sulfate Metabolism is Abnormal in Patients with RA. Confirmation by *In Vivo* Biochemical Findings *H. Bradley, A. Gough, R.S. Sokhi, A. Hassell, R. Waring, P. Emery* 1192

Increased Capillary Permeability in Systemic Rheumatoid Vasculitis: Detection by Dynamic Fluorescence Nailfold Videomicroscopy *E. Hachulla, M. Perez-Cousin, R-M. Flipo, et al* ...1197

Immunization of Patients with RA Against Influenza: A Study of Vaccine Safety and Immunogenicity *A. Chalmers, D. Scheifele, C. Patterson, et al* 1203

Outcome in Patients with RA Receiving Prednisone Compared to Matched Controls *R. McDougall, J. Sibley, M. Haga, A. Russell* 1207

Expression of Muscarinic Cholinergic Receptors on Lymphocytes in Various Subsets of RA and Their Variabilities Connected with Treatment *H. Laskowska-Bozek, A. Filipowicz-Sosnowska, A. Zubrzycka-Sienkiewicz, J. Ryzewski* 1214

A Canadian Survey of Current MTX Prescribing Practices in RA *D. Collins, N. Bellamy, J. Campbell* 1220

Underrecognized Postdosing Reactions to MTX in Patients with RA *J.T. Halla, J.G. Hardin* 1224

The Clinical and Research Significance of the ESR *F. Wolfe, K. Michaud* 1227

RA in Tlingit Indians: Clinical Characterization and HLA Associations *D.W. Templin, G.S. Boyer, A.P. Lanier, et al* 1238

Evaluation of a German Version of the Physical Dimensions of the HAQ in Patients with RA *P. Brühlmann, G. Stucki, B.A. Michel* 1245

Quality of Life in RA: Validation of a Spanish Version of the AIMS (Spanish-AIMS) *M. Abello-Banfi; M.H. Cardiel, R. Ruiz-Mercado, D. Alarcón-Segovia* 1250

Osteocalcin in Patients with RA. A One-Year Followup Study *H. Franck, T.H. Ittel, O. Tasch, G. Herborn, R. Rau* 1256

Clinical Utility and Serological Connections of Anti-RA33 Antibodies in SLE *D.A. Isenberg, G. Steiner, J.S. Smolen* 1260

Lipid Profiles in Patients with SLE *K.H. Leong, E.T. Koh, P.H. Feng, M.L. Boey* 1264

Localization of Endothelin-1 and its Binding Sites in Scleroderma Skin *R. Vancheeswaran, A. Azam, C. Black, M.R. Dashwood* 1268

Sensitivities of Noninvasive Tests for CNS Vasculitis: A Comparison of Lumbar Puncture, CT, and MRI *J.H. Stone, M.G. Pomper, R. Roubenoff, T.J. Miller, D.B. Hellman* 1277

Analysis of Steroid Related Complications and Mortality in TA: A 15-Year Survey of 43 Patients *G. Nesher, M. Sonnenblick, Y. Friedlander* 1283

Aspergillus Spondylodiscitis: Successful Conservative Treatment in 9 Cases *B. Cortet, R. Richard, X. Deprez, et al* 1287

Hyperprolactinemia in Reiter's Syndrome *L.J. Jara, L.H. Silveira, M.A. Cuéllar, C.J. Pineda, E. Scopelitis, L.R. Espinoza* 1292

Patient Utilities in AS and the Association with Other Outcome Measures *C. Bakker, M. Rutten-van Mölken, A. Hidding, E. van Doorslaer, K. Bennett, S. van der Linden* 1298

Treatment of PsA at the Dead Sea *S. Sukenik, H. Giryes, S. Halevy, L. Neumann, D. Flusser, D. Buskila* 1305

Factors Affecting Articular Cartilage Thickness in OA and Aging *R.L. Karvonen, W.G. Negendank, R.A. Teitge, A.H. Reed, P.R. Miller, F. Fernandez-Madrid* 1310

Abnormal Thermoregulatory Responses in Patients with RSDS *A. Herrick, K. El-Hadidy, D. Marsh, M. Jayson* 1319

Comparison of ACTH and Triamcinolone Acetonide in the Treatment of Acute Gouty Arthritis *L.B. Siegel, J.A. Alloway, D.J. Nashel* 1325

Capillary Permeability in FM *W. Grassi, P. Core, G. Carlino, F. Salaffi, C. Cervini* 1328

Somatomedin C (IGF-1) Levels Decrease During Acute Changes of Stress Related Hormones. Relevance for FM *G. Ferraccioli, P. Guerra, V. Rizzi, et al* 1332

FM in FMF *P. Langevitz, D. Buskila, R. Finkelstein, et al* 1335

Contribution of Neuromuscular Impairment to Physical Functional Status in Patients with Lumbar Spinal Stenosis *G. Stucki, M.H. Liang, S.J. Lipson, A.H. Fossel, J.N. Katz* 1338

Pediatric Rheumatology

aCL in Pediatric Patients with HIV
L. Carreño, I. Monteagudo, F.J. López-Longo, et al 1344

Workshop Report: Research in Pediatric Rheumatology
D.N. Glass, B.S. Nepom, P.H. White, L.E. Shulman 1347

Case Reports

Intravenous Cyclophosphamide Pulses in the Treatment of Pyoderma Gangrenosum Associated with RA
A. Zonana-Nacach, F.J. Jiménez-Balderas, P. Martinez-Osuna, G. Mintz 1352

An Association of PMR with Myelodysplastic Syndromes
M. Kohli, R.M. Bennett 1357

An Association Between Refractory HELLP Syndrome and aPL During Pregnancy
M.H. Ornstein, J.H. Rand 1360

Gout During Pregnancy
J.T. Kelsall, D.P. O'Hanlon 1365

Correspondence

Factors Predicting Outcome in RA
J.G. Jones 1367

Reply *D. van Zeben, F.C. Breedveld* 1367

aPL in Rheumatic Fever Chorea *R.E.A.S. Diniz, J. Goldenberg, L.E.C. Andrade, et al* 1367

Reply *F. Figueroa, X. Berrios, M. Gutiérrez, et al* 1368

Primary APS or SLE related APS: From Theory to Practice *J-C. Piette* 1368

Reply *R.A. Asherson* 1369

aCL in Klinefelter's Syndrome
G. Bajocchi, G. Sandri, F. Trotta 1370

Reply *J.M. Durand, G. Kaplanski, J. Soubeyrand* .. 1370

Cofactor (β$_2$-Glycoprotein 1) Dependent aCL and Thrombosis *J. Kaburaki, M. Kuwana, Y. Ikeda, M. Yamamoto, S. Kawai, E. Matsuura* ... 1371

Reply *J. Ordi Ros, A. Selva-O'Callaghan, P. Perez-Peman, C. Falga, E. Cucurull* 1371

Recurrent Reflex Sympathetic Dystrophy as a Manifestation of SLE *D.H. Neustadt* 1372

Reply *B.E. Ostrov* 1372

Fat Necrosis from im GT G *J.M. Sowa* 1372

Reply *J. McCain, T. Wizcla West* 1373

Letters

TCR Vß Selection from DRB1*401*0101 Patient with RA Complicated by CD8+ T Cell Infiltrated Rheumatoid Pericarditis *A. Travaglio-Encinoza, J-M. Anaya, A.Dupuy d'Angeac, J.Sany, T.Rème* ..1373

Factors Influencing the Prevalence of APS in SLE *U. Picillo, S. Migliaresi, M.R. Marcialis, F. La Palombara, G. Tirri* 1375

Immunomodulatory Therapy of Recurrent Purpura Associated with SS. Effect of Oral Gold Compound *I. Katayama* 1376

Chronic Hepatitis C and SS *J-L. Poet, I. Tonolli-Serabian, P.P. Garnier* 1376

Membranous Nephropathy Developing During the Course of DM *H. Makino, K. Hirata, M. Matsuda, T. Amano, Z. Ota* 1377

Orchitis: An Unusual Feature in Relapsing Polychondritis *J-F. Maillefert, B. De Wazières, F. Meignan* 1378

Book Reviews

Antibodies to Endothelial Cells and Vascular Damage 1379

Occupational Musculoskeletal Disorders 1379

Oxford Textbook of Rheumatology 1380

VOLUME 21: NO. 8 **AUGUST 1994**

Editorials

Rheumatic Diseases in China *K.D. Muirden* 1383

How Many Types of Patients Meet Classification Criteria for RA? *T. Pincus, L.F. Callahan* 1385

Evaluating Biologic Agents in RA: A Framework for Clinical Trials
V. Strand, D.L. Scott, G.S. Panayi 1390

OA and Bone Mass *N.E. Lane, M.C. Nevitt* 1393

Articles

Seronegative and Weakly Seropositive RA Differ from Clearly Seropositive RA in HLA Class II Associations *R. Ploski, O.J. Mellbye, K.S. Rønnigen, Ø. Førre, E. Thorsby* 1397

Proliferative Response of SF Mononuclear Cells of Patients with RA to Mycobacterial 65 kDa HSP and Its Association with HLA-DR+ •γδ+ T Cells *A. Kogure, M. Miyata, T. Nishimaki, R. Kasukawa* 1403

Synovial Fibroblast-Like Cell Transfection with the SV40 Large T Antigen Induces a Transformed Phenotype and Permits Transient Tumor Formation in Immunodeficient Mice
R. Lemaire, R-M. Flipo, D. Monté, et al 1409

A Comparison of the Performance of Different Methods of Disease Classification for RA. Results of an Analysis from a Nationwide Twin Study
A.J. MacGregor, S. Bamber, A.J. Silman 1420

Decreased Testosterone Levels in Men with RA: Effect of Low Dose Prednisone Therapy
H.F. Martens, P.K. Sheets, J.S. Tenover, C.E. Dugowson, W.J. Bremner, G. Starkebaum ... 1427

More Evidence from a Community Based Series of Better Outcome in RA. Data on the Effect of Multidisciplinary Care on the Retention of Functional Ability
M. Hakala, P. Nieminen, O. Koivisto 1432

Outcome in RA. A 1985 Inception Cohort Study
M.E. Suarez-Almazor, C.L. Soskolne, L.D. Saunders, A.S. Russell 1438

Synovial Lymphocytes Indicate "Bacterial" Agents May Cause Some Cases of RA
D.K. Ford, M. Schulzer 1447

Heterogeneity of the Anti-Ro(SSA) Response in Rheumatic Diseases *F.J. López-Longo, M. Rodríguez-Mahou, M. Escalona, et al* 1450

Comparison of Hydroxychloroquine and Placebo in the Treatment of the Arthropathy of Mild SLE
H.J. Williams, M.J. Egger, J.Z. Singer, et al 1457

Late Onset Lupus: A Clinical and Immunological Study in a Predominantly Chinese Population
E.T. Koh, M.L. Boey 1463

Sensitivity to Change of 3 SLEDAI Indices: International Validation *D.D. Gladman, C.H. Goldsmith, M.B. Urowitz, et al* 1468

Digital Pressure Responses to Cooling in Patients with Suspected Early vs Definite Scleroderma (SSc) vs Primary RP
H.R. Maricq, F. Diat, M.C. Weinrich, J.G. Maricq .. 1472

Micronutrient Antioxidant Status in Patients with Primary RP and SSc *A.L. Herrick, F. Rieley, D. Schofield, S. Hollis, J.M. Braganza, M.I.V. Jayson* 1477

Rheumatic Diseases in China: ILAR-China Study Comparing the Prevalence of Rheumatic Symptoms in Northern and Southern Rural Populations *R.D. Wigley, N-Z. Zhang, Q-Y. Zeng, et al* 1484

Experimental Arthritis and Uveitis in Rats Associated with *Mycobacterium butyricum*
R.E. Petty, D.W.C. Hunt, D.M. Mathers, et al 1491

The PCR Detects B Cell Clonalities in Patients with SS and Suspected Malignant Lymphoma
S. De Vita, G. Ferraccioli, V. De Re, et al 1497

Fibroblast Function in PsA. I. Alteration of Cell Kinetics and Growth Factor Responses
L.R. Espinoza, J.L. Aguilar, C.G. Espinoza, M.L. Cuéllar, E. Scopelitis, L.H. Silveira 1502

Fibroblast Function in PsA. II. Increased Expression of ß PDGF Receptors and Increased Production of GF and Cytokines
L.R. Espinoza, C.G. Espinoza, M.L. Cuéllar, E. Scopelitis, L.H. Silveira, G.R. Grotendorst 1507

Arthropathica Ulcerosa: A Study of Reduced Ankle Movement in Association with Chronic Leg Ulceration
P.S. Helliwell, M.J. Cheesbrough 1512

Familial Hypokalemia/Hypomagnesemia and Chondrocalcinosis *T.J. Smilde, J.F. Haverman, P. Schipper, et al* 1515

The C6-7 Syndrome — Clinical Features and Treatment Response *H.A. Smythe* 1520

Chronic Fatigue Syndrome — A Controlled Cross Sectional Study *A.K. Rasmussen, H. Nielsen, V. Andersen, et al* 1527

Appendicular Bone Mass and OA of the Hands in Women: Data from the Baltimore Longitudinal Study of Aging
M.C. Hochberg, M. Lethbridge-Cejku, W.W. Scott Jr, C.C. Plato, J.D. Tobin 1532

A Comparison of 6 Months' Compliance of Patients with RA Treated with Tenoxicam and Naproxen. Use of Patient Computer Data to Assess Response to Treatment *O. Nived, G. Sturfelt, S-Å Eckernäs, P. Singer* 1537

Experimental Articular Toxicity of Aluminum Compounds *In Vivo* *I. Chary-Valckenaere, P. Fener, J-Y. Jouzeau, et al* 1542

Pediatric Rheumatology

Seroprevalence of *Helicobacter pylori* Infection is not Increased in Pediatric Inflammatory Arthritides *S. Shabib, R. Laxer, E. Silverman, G. Perez-Perez, M. Blaser, P. Sherman* 1548

Demography of a Regional Pediatric Rheumatology Patient Population
B.A. Denardo, L.B. Tucker, L.C. Miller, I.S. Szer, J.G. Schaller and the members of the Affiliated Children's Arthritis Centers of New England 1553

Case Reports

Active Lupus and Preeclampsia: A Life Threatening Combination *H. Minakami, S. Idei, T. Koike, T. Tamada, Y. Yasuda, N. Hirota* 1562

Onset of PM with Autoantibodies to Threonyl-tRNA Synthetase During Pregnancy
M. Satoh, A.K. Ajmani, M. Hirakata, A. Suwa, J.B. Winfield, W.H. Reeves 1564

Fasciitis (not Scleroderma) Following Prolonged Exposure to an Organic Solvent (Trichloroethylene) *P.A. Waller, D. Clauw, T. Cupps, J.S. Metcalf, R.M. Silver, E.C. LeRoy* ... 1567

A Swinging Heart in Limited SSc *S.E. Plotnick, M.D. Coe, L.M. Ludmer, W.F. Barth* 1571

Piroxicam Induced Pulmonary Infiltrates and Eosinophilia *P. Pfitzenmeyer, M. Meier, P. Zuck, et al* 1573

Correspondence

Disabling FM: Appearance vs Reality *G.D. Reid* 1578
Reply *R.M. Bennett* 1578
Reply *F. Wolfe* 1579
Reply *S. Carette* 1579

Disabling FM Appearance vs Reality *A.S. Russell, J.S. Percy* 1580
Reply *R.M. Bennett* 1580

Decreased Perception Threshold to Electrocutaneous Stimulation in a Patient with FM *J.J. Nicholas, M. Yee, M.L. Latash* 1580
Reply *M.L. Cohen, J.F. Arroyo* 1581

Influenza Immunization in Children with Chronic Arthritis *N.Y. Olsen, C.B. Lindsley* 1581
Reply *P. Malleson, D. Scheifele* 1582

The Use of Methylprednisolone Pulse Therapy in a Severe Case of HLA-B27 Negative AS *U. Mercado* 1582
Reply *S. Yoshida* 1582

Is Spinal Tuberculosis Back Again in Developed Countries? *R-M. Flipo, X. Deprez, B. Duqesnoy, B. Delcambre* 1583
Reply *A.G. Fam* 1583

Letters

DM Following Infection with HCV *M. Nishikai, M. Miyairi, S. Kosaka* 1584

PAN with Coronary Aneurysms: The Kawasaki-PAN Controversy Revisited *S. Bowyer, W.H. Mason, D.K. McCurdy, M. Takahashi* 1585

VOLUME 21: NO. 9 **SEPTEMBER 1994**

Editorials

Attempts to Apply Curve Fitting Models to the Analysis of Progression of Radiographic Damage in RA are Laudable, but are the Results Believable? *J.T. Sharp* 1589

Advantages and Limitations of Ultrasound in the Evaluation of the Rheumatoid Shoulder *R.K. Chhem* 1591

Articles

Increased Type 1 Collagen Degradation in Early RA *A. Kotaniemi, H. Isomäki, M. Hakala, L. Risteli, J. Risteli* 1593

FK506, An Immunosuppressant, Partially Inhibits IL-6 Production by Adherent Rheumatoid Synovial Cells *E. Sugiyama, H. Suzuki, I.S. Tunru, N. Yamashita, T. Hori, M. Kobayashi* 1597

HML-1 Expression in SF Lymphocytes of Patients with RA *C. Jorgensen, A. Travaglio-Encinoza, C. Bologna, A. Dupuy D'Angeac, T. Reme, J. Sany* 1602

Phenotypic Characteristics of Bone Marrow Cells in Patients with RA *T. Tomita, N. Kashiwagi, Y. Shimaoka, et al* 1608

***In Vivo* Analysis of Disease Modifying Drug Therapy Activity in RA by Sequential Immunohistological Analysis of Synovial Membrane IL-1ß** *B.W. Kirkham, F.J. Navarro, M.M. Corkill, G.S. Panayi* 1615

The Severity of RA: A 6-Year Followup Study of Younger Women with Symptoms of Recent Onset *D. van Zeben, J.M.W. Hazes, A.H. Zwinderman, J.P. Vandenbroucke, F.C. Breedveld* 1620

Progression of Erosion and Joint Space Narrowing Scores in RA Assessed by Nonlinear Models *F. Salaffi, G. Ferraccioli, M. Peroni, M. Carotti, E. Bartoli, C. Cervini* 1626

Cyclosporine in Common Clinical Practice: An Estimation of the Benefit/Risk Ratio in Patients with RA *R.B.M. Landewe, H.S. Goei The, A.W.A.M. van Rijthoven, J.R. Rietveld, F.C. Breedveld, B.A.C. Dijkmans* 1631

Intermittent Treatment with D-Pen is Effective in Lower Doses and with Fewer Adverse Effects in Patients with RA *M. Hakoda, A. Taniguchi, N. Kamatani, T. Akahoshi, S. Kashiwazaki* 1637

Ultrasound Evaluation of Painful Rheumatoid Shoulders *E.M. Alasaarela, E.L.I. Alasaarela* 1642

Rheumatic Manifestations in Patients with Myelodysplastic and Myeloproliferative Diseases *P.V. Kuzmich, G.A. Ecker, J. Karsh* 1649

T Cell Receptor Vα Repertoire of Infiltrating T Cells in Labial Salivary Glands from Patients with SS *T. Sumida, Y. Kita, F. Yonaha, T. Maeda, I. Iwamoto, S. Yoshida* 1655

The Prevalence of SS in BS *I. Günaydin, C. Ustündag, G. Kaner, et al* 1662

Systemic Disease in SCLE: A Controlled Comparison with SLE *M.R. Cohen, D. Crosby* . 1665

ANCA in SLE *R. Pauzner, M. Urowitz, D. Gladman, J. Gough* 1670

A 2-Year Open Ended Trial of MTX in SLE *K. Wilson, M. Abeles* 1674

Association of AMA5 and Anti-ß$_2$ Glycoprotein 1 Antibodies in the APS *S. Laperche, N. Abuaf, O. Myer, et al* 1678

ß$_2$ Glycoprotein I and PAP-I in Placentae from Patients with APS *L. La Rosa, P.L. Meroni, A. Tincani, et al* 1684

Defining Spinal Mobility in AS. The Bath AS Metrology Index *T.R. Jenkinson, P.A. Mallorie, H.C. Whitelock, L.G. Kennedy, S.L. Garrett, A. Calin* 1694

Olsalazine in AS: A Pilot Study *C.M. Chapman, S.H. Zwillich* 1699

The Specific Antibacterial Proliferation of Reactive Arthritis Synovial T Cells is not Due to Their Higher Proportion of CD45RO+ Cells Compared to Peripheral Blood *J. Braun, M. Grolms, A. Distler, J. Sieper* 1702

Protracted Febrile Myalgia in Patients with FMF *P. Langevitz, D. Zemer, A. Livneh, J. Shemer, M. Pras* 1708

TNF-α Receptor Expression on Chondrocytes Isolated from Human Articular Cartilage *C.I. Westacott, R.M. Atkins, P.A. Dieppe, C.J. Elson* 1710

Induction of Increased Levels of Proteoglycan Fragments in SF and Increased Levels of Stromelysin in Cartilage, Synovium and SF by Intraarticular Injection of Canine Monocyte Conditioned Medium into Dogs *M.W. Lark, K.A. MacNaul, S. Donatelli, et al* 1716

Growth Promoting Peptides in OA and DISH — Insulin, Insulin-Like Growth Factor I, Growth Hormone *C.W. Denko, B. Boja, R.W. Moskowitz* ..1725

Repair Characteristics of the Articular Cartilage Surface Following Acute Inflammatory Arthritis *K. Noyori, H.E. Jasin* 1731

Quantitative Microfocal Radiographic Assessment of OA of the Knee from Weight Bearing Tunnel and Semiflexed Standing View *J.C. Buckland-Wright, D.G. MacFarlane, M.K. Jasani, J.A. Lynch* 1734

Subclinical Renal Toxicity in Rheumatic Patients Receiving Longterm Treatment with NSAID *J. Calvo-Alén, M.A. de Cos, V. Rodriguez-Valverde, R. Escallada, J. Florez, M. Arias* 1742

The Reduced Expression of Glucocorticoid Receptors in Synovial Cells Induced by NSAID Can be Reversed by PGE$_2$ Analog *J-P. Pelletier, J.A. DiBattista, P. Ranger, J. Martel-Pelletier* 1748

Case Reports

The Challenge of Sensorineural Hearing Loss in RA *B. Mukerji, S.A. Estrem, F.X. O'Sullivan* ... 1753

SLE Presenting with Diffuse Low Density Lesions in the Cerebral White Matter on CAT Scans: Its Implication in the Pathogenesis of Diffuse CNS Lupus *K. Isshi, S. Hirohata, T. Hashimoto, H. Miyashita* 1758

Combined Effects of Diltiazem and Oxygen in Pulmonary Hypertension of MCTD *S. Shinohara, I. Murata, H. Yamada, T. Sato, T. Kikutani, T. Inoue, K. Ito* 1763

Oral Metronidazole, and Effective Treatment for Sweet's Syndrome in a Patient with Associated Inflammatory Bowel Disease *D.E. Banet, S.A. McClave, J.P. Callen* 1766

Osteomyelitis Subsequent to Abdominal-Vaginal Sacropexy *A. Cranney, R. Feibel, B.W. Toye, J. Karsh* 1769

Arthritis in a Patient with Psoriasis After INF-α Therapy for Chronic Hepatitis C *Y. Makino, H. Tanaka, K. Nakamura, M. Fujita, K. Akiyama, I. Makino* 1771

Correspondence

Clinical Measures in RA: Which Are Most Useful in Assessing Patients? *M. Boers, D.T. Felson*...1773
Reply*M.M. Ward* 1773

Standardized Regression Coefficients and Relative Importance of Pain and Functional Disability to Patients with RA *J. Bring* 1774
Reply *M.M. Ward, J.P. Leigh* 1774

Inflammatory Myopathy — Do We Have Adequate Measures of the Treatment Response? *A. Helewa, C. Goldsmith, H.A. Smythe* 1775

More on Inflammatory Myopathy — Measures of the Treatment Response *T. Hunter* 1775

Disabling FM: Appearance vs Reality *D. Nordstrom* 1776
Reply *R.M. Bennett* 1776

Interrelationship Between IL-8 and Neutrophils in SF of Crystal Induced Arthritis *N. Bertazzolo, L. Punzi, M. Pianon, G. Cesaro, S. Todesco* 1776
Reply *E.J. Miller, W.G. Brelsford* 1777

Letters

Gynecomastia in Patients with RA Treated with MTX *E. Thomas, J.L. Leroux, F. Blotman* 1777

Longterm Remission of Corneal Melting Associated with RA after a Short Course of Treatment with Oral Cyclophosphamide *P. Callado-Ramos, A. Bañares-Cañizares, C. Morado-Quiñóa, J.M. Benitez-del-Castillo, C. Hernández-Garcia* . 1778

Epidemiology and Clinical Associations of NuMA (Nuclear Mitotic Apparatus Protein) Autoantibodies *P. Auer-Grumbach, B. Achleitner* 1779

Tidal Irrigation in Milwaukee Shoulder Syndrome *R. Caporali, S. Rossi, C. Montecucco* 1781

Chondrocalcinosis Associated with Bartter's Syndrome and Hypomagnesemia *S. Muñoz-Fernández, L. Pantoja, E.M. Mola, E. de Miguel, J. Gijón Baños* 1782

Osteoarticular Brucellosis Resembling Microcrystalline Arthropathy *I. González-Alvaro, M. Estévez, L. Carmona-Ortells, J.M. Alvaro-Gracia, J.P. López-Bote, A. Humbria* 1783

Correction

Regulation of Granulocyte Macrophage Colony Stimulating Factor Production by Human Articular Chondrocytes. Induction by Both Tumor Necrosis Factor-α and Interleukin 1 Downregulation by Transforming Growth Factor-β *S. Alsalameh, G.S. Firestein, S. Oez, R. Kurrle, J.R. Kalden, G.R. Burmester* 1785

Book Review **Antibodies to Endothelial Cells and Vascular Damage** 1785

Notices 1785

VOLUME 21: SUPPLEMENT 41 — SEPTEMBER 1994

Proceedings
Vth Joint World Health Organization and
International League of Associations for Rheumatology
Task Force Meeting on Rheumatic Diseases

WHO Headquarters, Geneva, Switzerland
29 June – 2 July, 1993

Introduction *J. Edmonds* 1

PART I: PROPOSED NEW CLASSIFICATION OF ANTIRHEUMATIC THERAPIES: ANALYSIS OF THE DC-ART CATEGORY

Introduction *J. Edmonds* 2
DC-ART: The Concept *J. Edmonds* 3
Comment *L.M. Katz, J.G. Harter* 5
Comment *J.S. Smolen* 5
Comment *H. Fenner* 6
DC-ART Classification: Review of Relevant Clinical Studies *H.E. Paulus, K.J. Bulpitt* 8
Discussion *J. Anderson, W. Chahade, J. Darmawan, P.L.C.M. van Riel* 20
DC-ART: Improvement and Sustained Improvement in Function *P. Tugwell, P. Baker* 23
Comment *J. Anderson* 24
Comment *S. van der Linden* 25
Comment *S-L. Chen* 26
DC-ART: Decreased Inflammatory Synovitis *D.E. Furst, P. Brooks, A.N. Malaviya, G.M. Mody* 27
DC-ART: Preventing or Significantly Decreasing the Rate of Progression of Structural Joint Damage *D.L. Scott, A.O. Adebajo, S. El Badaway, J.R. Kirwan, L.B.A. van de Putte, P.L.C.M. van Riel* 36
Are There Special Considerations Relevant to Trials of Biologic Agents? *V. Strand* 41
Comment *P. Tugwell* 45
Comment *R.M. Maini* 47
Comment *O. Hubscher* 48
Comment *J. Woodcock* 49
Other Special Considerations in Assessing DC-ART: The Need for Patient Stratification *J. Edmonds, M. Bosi Ferraz* 50
Other Special Considerations in Assessing DC-ART: Potential Application of Newer Technologies *A.S. Russell, W.P. Maksymowych, J.S. Smolen* 52
DC-ART: What Proportion of Response Constitutes a Positive Response? *P.L.C.M. van Riel, L.B.A. van de Putte* 54
Comment *M. Boers* 56
Comment *L.M. Katz, J.G. Harter* 56
Can Observational Studies Replace or Complement Experiment? *S. van der Linden, C.H. Goldsmith, J. Woodcock, V. Nassonova* 57
Summary and Conclusions *J. Edmonds* 62

PART II: TESTING PROTOCOLS FOR SLOW ACTING DRUGS FOR OA

Introduction *J. Edmonds* 64
Guidelines for Testing Slow Acting Drugs in OA *M. Lequesne, K. Brandt, N. Bellamy, R. Moskowitz, C.J. Menkes, J-P. Pelletier, R. Altman* 65
Comment *L.M. Katz, J.G. Harter* 72
Comment *D.T. Felson* 72
Intraarticular Treatment of OA and Guidelines to its Assessment *C.J. Menkes* 74
Comment *J.S. Sergent* 76
Summary and Conclusions *J. Edmonds* 77

PART III: RATIFICATION OF AGREED POSITION PAPERS

Introduction *J. Edmonds* 78
Guidelines for Use of Antirheumatic Drugs *A.S. Russell, J. Darmawan, D. Scott, P. Brooks, O. Hubscher* 79
Protocol for Use of NSAID *P. Brooks* 82
WHO and ILAR Core Endpoints for Symptom Modifying Antirheumatic Drugs in RA Clinical Trials *M. Boers, P. Tugwell, D.T. Felson, P.L.C.M. van Riel, J.R. Kirwan, J.P. Edmonds, J.S. Smolen, N. Khaltaev, K.D. Muirden* 86

VOLUME 21: NO. 10 — OCTOBER 1994

Editorials

The Imperious p Value *N.M. Hadler* 1787
Predicting Outcome of AS: Prognosis or Hindsight? *M. Boers* 1789
Glycosylation and Rheumatic Disease: More Than Icing on the Cake *J.S. Axford* 1791

Articles

Direct Degradation of Articular Cartilage by Rheumatoid SF: Contribution of Proteolytic Enzymes *J-P. Larbre, A.R. Moore, J.A.P. Da Silva, H. Iwamura, Y. Ioannou, D.A. Willoughby* 1796
Stimulation of Human Synovial Cell DNA Synthesis by Iron *K. Nishiya* 1802
Measurement and Prediction of Radiological Progression in Early RA *M.J. Plant, J. Saklatvala, A.A. Borg, P.W. Jones, P.T. Dawes* 1808
Mucocutaneous Reactions to Gold: A Prospective Study of 74 Patients with RA *A. van Gestel, R. Koopman, M. Wijnands, L. van de Putte, P. van Riel* 1814
Pleural Fluid sIL-2R in RA and SLE *T. Pettersson, T. Söderblom, P. Nyberg, H. Riska, L. Linko, M. Klockars* 1820
Clinical Course of Cognitive Dysfunction in SLE *J.G. Hanly, J.D. Fisk, G. Sherwood, B. Eastwood* 1825
Selective Expression of Vß Families by T Cells in the Blood and Salivary Gland Infiltrate of Patients with Primary SS *M.D. Smith, A. Lamour, A. Boylston, et al* 1832
Circulating Endothelin-1 Levels in SSc Subsets — A Marker of Fibrosis or Vascular Dysfunction? *R. Vancheeswaran, T. Magoulas, G. Efrat, et al* 1838
The Contribution of Resting Heart Rate and Routine Blood Tests to the Clinical Assessment of Disease Activity in SLE *J. Guzmán, M.H. Cardiel, A. Arce-Salinas, D. Alarcón-Segovia* 1845
Autonomic Dysfunction in Diffuse Scleroderma vs CREST: An Assessment by Computerized Heart Rate Variability *A.G. Hermosillo, R. Ortiz, J. Dábague, J.M. Casanova, M. Martínez-Lavín* 1849
The Overall and Temporal Association of Cancer with PM and DM *D. Zantos, Y. Zhang, D. Felson...* 1855
Elevated sICAM-1 in the Serum of Patients with PMR: Influence of Steroid Treatment *P. Macchioni, L. Boiardi, R. Meliconi, et al* 1860
Serum Soluble CD4 and CD8 Levels in PMR *C. Salvarani, L. Boiardi, P. Macchioni, et al* 1865
Raised Agalactosyl IgG and Antimycobacterial Humoral Immunity in Takayasu's Arteritis *R. Hernández-Pando, P. Reyes, C. Espitia, Y. Wang, G. Rook, R. Mancilla* 1870
Fracture Risk in Patients with AS: A Population Based Study *C. Cooper, L. Carbone, C.J. Michet, E.J. Atkinson, W.M. O'Fallon, L.J. Melton, III* 1877
Predictive Factors for the Longterm Outcome of Spondyloarthropathies *B. Amor, R. Silva Santos, R. Nahal, V. Listrat, M. Dougados* 1883
Expression of a Developmentally Regulated Epitope on Fibronectins from the SF of Patients with Rheumatic Disease *S. Carsons, H. Clausen, J. Wolf* 1888
Nitric Oxide Synthesis and Its Regulation by Rabbit Synoviocytes *M. Stefanovic-Racic, J. Stadler, H.I. Georgescu, C.H. Evans* 1892
Serum Levels of Insulin in Overweight Patients with OA of the Knee *F. Silveri, D. Brecciaroli, F. Argentati, C. Cervini* 1899
The Effect of Pulsed Electromagnetic Fields in the Treatment of OA of the Knee and Cervical Spine. Report of Randomized, Double Blind, Placebo Controlled Trials *D.H. Trock, A.J. Bollet, R. Markoll* 1903
Performance of Online Biomedical Databases in Rheumatology *C. Ramos-Remus, M. Suarez-Almazor, M. Dorgan, A. Gomez-Vargas, A.S. Russell* 1912
Intermittent Cyclic Therapy with Etidronate in the Prevention of Corticosteroid Induced Bone Loss *J.D. Adachi, A. Cranney, C.H. Goldsmith, et al* . 1922
Musculoskeletal Complaints and Associated Consequences in Elderly Chinese Aged 70 Years and Over *J. Woo, S.C. Ho, J. Lau, P. Chung Leung* 1927
The Spectrum of Myositis and Rhabdomyolysis Associated with Bacterial Infection *G.F. Falasca, A.J. Reginato* 1932
Workshop Report: ILAR Postcongress Educational Workshop on Public Education *R. Grahame* 1938

Pediatric Rheumatology

Relationship Between Maternal and Neonatal Levels of Antibodies to 48 kDa SSB(La), 52 kDa SSA(Ro), and 60 kDa SSA(Ro) in Pregnancies Complicated by Congenital Heart Block *J.P. Buyon, J. Waltuck, K. Caldwell, et al* 1943
Phospholipase A_2 in JRA: Correlation to Disease Type and Activity *W. Pruzanski, K. Albin-Cook, R.M. Laxer, et al* 1951
Progression of Childhood Linear Scleroderma to Fatal SSc *F.J. Mayorquin, T.L. McCurley, J.E. Levernier, et al* 1955
Chronic Arthritis in a Boy with 18q- Syndrome *U.S. Hansen, T. Herlin* 1958

Case Reports

Rheumatoid Nodulosis of the Meninges *N.E. Karam, L. Roger, L.L. Hankins, J.D. Reveille* 1960

Partial Splenic Embolization for Felty's Syndrome: A 10-Year Followup *H. Nakamura, A. Ohishi, K. Asano, et al* 1964
Rhabdomyolysis in a Patient with Discoid Lupus Erythematosus *S. Menon, J.M. Round, D.A. Isenberg* 1967
Antiphospholipid and Anti-β$_2$ Glycoprotein I Antibodies in Monozygotic Twin Sisters *R. Cevallos, L. Darnige, J. Arvieux, P. Veyssier, Y. Gruel* 1970
Recurrent Leukocytoclastic Vasculitis as the Initial Manifestation of Acute Myelomonocytic Leukemia *A.M. Fernandez, M. Abeles, R.L. Wong* 1972

Correspondence

Imaging of Synovitis in RA with Radionuclide Tracers *P. Goupille, J-P. Valat, A. Le Pape* 1975
Reply *K.L. Sewell, R. Ruthazer, J.A. Parker* 1976
Precapillary Pulmonary Hypertension Dramatically Improved with High Doses of Corticosteroids During SLE *P. Goupille, L. Fauchier, D. Babuty, J-P. Fauchier, J-P. Valat* 1976
Reply *H. Groen, H. Bootsma, D.S. Postma, C.G.M. Kallenberg* 1977
Intestinal Erythema and Palpable Purpura in the APS *R.A. Greenwald, E. Lipstein, D. Lau* 1977
Reply *J. Sánchez-Guerrero, D. Alarcón-Segovia* 1978
Reply *A. Tincani, G. Balestrieri, R. Cattaneo* 1978
Sex Ratio in Spondyloarthropathies *I. Machtey* 1978
Reply *A. Calin* 1979
Silicone Breast Implants and CTD *M.L. Cuéllar, L.R. Espinoza* 1979
Reply *H. Spiera, R.F. Spiera, A. Gibofsky* 1979
TA the Syndrome vs Horton's Arteritis the Disease *T. Genereau, B. Wechsler, S. Herson, J-C. Piette, P. Godeau* 1980
Reply *J.T. Lie* 1981

Book Reviews

Advances in Idiopathic Low Back Pain 1981
Nonsteroidal Anti-inflammatory Drugs: Mechanisms and Clinical Uses 1981

Correction

M. Abello-Banfi, M.H. Cardiel, R. Ruíz-Mercado, D. Alarcón-Segovia: Quality of Life in Rheumatoid Arthritis: Validation of a Spanish Version of the Arthritis Impact Measurement Scales (Spanish AIMS). 1982

Notices 1982

VOLUME 21:10, SUPPLEMENT 42 **OCTOBER 1994**

Outcome Measures in Rheumatoid Arthritis

Proceedings of a Satellite Symposium 57th American College of Rheumatology National Symposium San Antonio, Texas, USA November 11, 1993

Introduction *H.E. Paulus* 1
Endpoints in Rheumatoid Arthritis *P. Tugwell, M. Boers, P. Baker, G. Wells, J. Snider* 2
Validity of Acute Phase Proteins as Markers of Disease Activity *W.D. Blackburn, Jr.* 9
Imaging Techniques in RA *B.N.W. Weissman* 14
Assessment of Rheumatoid Arthritis — A Clinician's Viewpoint *P. Emery* 20
Concluding Remarks *W.D. Blackburn, Jr.* 25

VOLUME 21: NO. 11 **NOVEMBER 1994**

Editorials

Treatment and Prognosis of Lupus Nephritis *J.E. Balow, H.A. Austin, III, D.T. Boumpas* 1985
Arthroscopy in Rheumatology: A Tool in Search of a Job *R.W. Ike* 1987
The Reliability of the Antiperinuclear Factor Test Despite the Inconstancy of the Targeted Antigens *P. Youinou and P. Le Goff* 1990

Articles

CGP 47969A: Effect on Collagen Induced Arthritis in DBA/1 Mice *T. Geiger, C. Rordorf, A. Cosenti-Vargas, et al* .. 1992
Immunohistological and Functional Analysis of Adhesion Molecule Expression in the Rheumatoid Synovial Lining Layer. Implications for Synovial Lining Cell Destruction *A.C.H.M. van Dinther-Janssen, G. Kraal, R.M. van Soesbergen, R.J. Scheper, C.J.L.M. Meijer* 1998
Analysis of the Genes Encoding the Variable Regions of Human IgG RF *I. Ezaki, M. Shingu, M. Hashimoto, et al* 2005
The Clinical, Serologic and Radiologic Features of RA in Ethnic Black Zimbabwean and British Caucasian Patients *I.C. Chikanza, M. Stein, S. Lutalo, T. Gibson* 2011
Clinical and Biochemical Response to Single Infusions of Pamidronate in Patients with Active RA: A Double Blind Placebo Controlled Study *F. Eggelmeijer, S.E. Papapoulos, H.C. van Paassen, B.A.C. Dijkmans, F.C. Breedveld* 2016
Clinical Heterogeneity of RA and the Antiperinuclear Factor *C. Manera, F. Franceschini, L. Cretti, S. Braga, R. Cattaneo* 2021
Relationship of Education Level to Treatment Received for RA *L.A. Criswell, P.P. Katz* 2026
Combination Therapy of Cyclosporine with MTX and Gold in RA (2 Pilot Studies) *W. Bensen, P. Tugwell, R.M. Roberts, et al* 2034
Depressive Symptoms in Patients with SLE: Association with CNS Lupus and SS *T. Olsen Utset, M. Golden, G. Siberry, N. Kiri, R.M. Crum, M. Petri* 2039
The Benefit of Early Treatment with Immunosuppressive Agents in Lupus Nephritis *J.M. Esdaile, L. Joseph, T. MacKenzie, M. Kashgarian, J.P. Hayslett* 2046
Response to Treatment As A Predictor of Longterm Outcome in Patients with Lupus Nephritis *L. Fraenkel, T. MacKenzie, L. Joseph, M. Kashgarian, J.P. Hayslett, J.M. Esdaile* 2052
Antiendothelial Cell Antibodies and Their Relation to Pulmonary Hypertension in SLE *T. Yoshio, J-I. Masuyama, M. Sumiya, S. Minota, S. Kano* 2058
Prolactin in SLE *R. Pauzner, M.B. Urowitz, D.D. Gladman, J.M. Gough* 2064
A Pilot Study of Anti-CD5 Ricin A Chain Immunoconjugate in SLE *F.J. Stafford, T.A. Fleisher, G. Lee, et al* 2068
Antibodies to High Mobility Group Proteins in SSc *L.M. Ayer, J-L. Sénecal, L. Martin, G.H. Dixon, M.J. Fritzler* 2071
Increased Jejunal Secretory IgA and IgM in AS: Normalization after Treatment with Sulfasalazine *N. Feltelius, M. Hvatum, P. Brandtzaeg, L. Knutson, R. Hällgren* 2076
Antibodies to *Klebsiella pneumoniae, Escherichia coli,* and *Proteus mirabilis* in AS: Effect of Sulfasalazine Treatment *M. Nissila, R. Lahesmaa, M. Leirisalo-Repo, K. Lehtinen, P. Toivanen, K. Granfors* 2082
Early Recognition of Sacroiliitis by MRI and SPECT *J.G. Hanly, M.J. Mitchell, D.C. Barnes, L. MacMillan* 2088
The Collagen Types in the Attachment Zone of Rotator Cuff Tendons in the Elderly: An Immunohistochemical Study *J. Kumagai, K. Sarkar, H.K. Uhthoff* 2096
Ontario Patients' Acceptance of Waiting Times for Knee Replacements *E. Ho, P.C. Coyte, C. Bombardier, G. Hawker, J.G. Wright* 2101

A Comparative Study of Signal Versus Aggregate Methods of Outcome Measurement Based on the WOMAC OA Index *S. Barr, N. Bellamy, W.W. Buchanan, et al* 2106

Serial Kinematic Analysis of the Canine Knee After L4-S1 Dorsal Root Ganglionectomy: Implications for the Cruciate Deficiency Model of OA *J.A. Vilensky, B.L. O'Connor, K.D. Brandt, E.A. Dunn, P.I. Rogers* 2113

A Single Infusion of Bisphosphonate AHPrBP in the Treatment of Paget's Disease of Bone *K. Chakravarty, P. Merry, D.G.I. Scott* 2118

Lymphocyte Subpopulations in Patients with Primary FM *W. Hernanz, A. Valenzuela, J. Quijada, et al* 2122

Pituitary Release of GH and Prolactin in Primary FS *E.N. Griep, J.W. Boersma, E.R. de Kloet* 2125

The Effects of Arthritis Society Fellowships on Career Choice *R.J.R. McKendry, C. Freeman, P. Dale* 2131

Pediatric Rheumatology

A Novel Autoantibody to the Putative Oncoprotein DEK in Pauciarticular Onset JRA *I.S. Szer, H. Sierakowska, W. Szer* 2136

Incidence of Systemic CTD in Children: A Nationwide Prospective Study in Finland *P.M. Pelkonen, H.J. Jalanko, R.K. Lantto, et al* 2143

A Pediatric Perspective: Cardiac Function in SLE *J. De Inocencio, D.J. Lovell* 2147

Case Reports

Antihistone Antibody Profile in Sulfasalazine Induced Lupus *V.J. Bray, S.G. West, K.T. Schultz, D.T. Boumpas, R.L. Rubin* 2157

Systemic Therapy with Fibrinolytic Agents and Heparin for Recalcitrant Nonhealing Cutaneous Ulcer in the APS *E. Gertner, J.T. Lie* 2159

APS Associated with Ovarian Cancer. A New Paraneoplastic Syndrome? *A. Ruffatti, S. Aversa, T. Del Ross, S. Tonetto, M. Fiorentino, S. Todesco* 2162

Intraarticular Apatite Crystal Deposition as a Predictor of Erosive OA of the Fingers *J.C. Gerster* 2164

Malignant Ventricular Arrhythmia in SSc Controlled with an Implantable Cardioverter Defibrillator *V. Martinez-Taboada, J. Olalla, R. Blanco, J. Armona, J.F. Sueiro, V. Rodriguez-Valverde* 2166

Correspondence

Aberrant Control of Galactosyltransferase *J.S. Axford, A. Alavi* 216
Reply *T.W. Rademacher, I.B.H. Wilson, D. Isenberg* ... 216

Graves' Disease Following Silicone Breast Implantation *V.J. Bernet, D.R. Finger* 216
Reply *L. Kerr, H. Spiera* 216

Olasalazine in RS *S.H. Zwillich, C.T. Ritchlin* 216
Reply *G.T.D. Thomson, R.D. Inman* 217

Worsening of the Rash of Juvenile DM with Hydroxychloroquine Therapy *B.J. Bloom, L.B. Tucker, M. Klein-Gitelman, L.C. Miller, J.G. Schaller* 217
Reply *N.Y. Olsen, C.B. Lindsley* 217

Book Reviews

Disorders of the Cervical Spine: Diagnosis and Medical Management, 2nd Edition 217
Connective Tissue Diseases, 4th Edition 217

Correction

Musculoskeletal Disability and Rheumatology (editorial) *D.A. Gordon, R.D. Inman* 217
Notices 217

VOLUME 21: NO. 12 **DECEMBER 1994**

Editorials

Gout and the Gullible *K.P.H. Pritzker* 2175

Toxic Oil Syndrome and EMS: Similar, Different or the Same Disorder? *L.D. Kaufman, M.I. Martinez, J.J. Gomez-Reino* 2177

Articles

No Evidence of Adenoviral Hexon Regions in Rheumatoid Synovial Cells and Tissue *S. Nikkari, R. Luukkainen, L. Nikkari, M. Skurnik, P. Toivanen* 2179

Levels of HGF in SF and Serum of Patients with RA and Release of HGF by Rheumatoid SF Cells *K. Yukioka, M. Inaba, Y. Furumitsu, et al* 2184

APF and Disease Activity in RA. Longitudinal Evaluation During MTX and AZA Therapy *P.J.S.M. Kerstens, A.M.T. Boerbooms, M.E.C. Jeurissen, et al* 2190

Endpoint Measures in RA Clinical Trials: Group Summary and Individual Patient Analysis *A. van der Heide, J.W.G. Jacobs, Y. Schenk, J.W.J. Bijlsma* 2195

Does a Muscle Strength Index Provide Complementary Information to Traditional Disease Activity Variables in Patients with RA? *G. Stucki, J. Schönbächler, P. Brühlmann, S. Mariacher, T. Stoll, B.A. Michel* 2200

High Levels of Anti-Type II Collagen IgG in West African Patients with RA *A.O. Adebajo, R.O. Williams, D.G. Williams, B.L. Hazleman, R.N. Maini* 2206

Effects of Low Dose MTX Therapy on the Concentration and the Glycosylation of α_1-Acid Glycoprotein in the Serum of Patients with RA: A Longitudinal Study *T.W. de Graaf, E.C.R. van Ommen, M.E. van der Stelt, P.J.S.M. Kerstens, A.M.T. Boerbooms, W. van Dijk* 2209

Lack of Evidence For HTLV Type I or II Infection in Patients with SLE or RA *R.T. Bailer, A. Lazo, V. Harisdangkul, et al* 2217

Peripheral Blood CD5+ B Cell Subset in the Remission Phase of Systemic CTD *J. Markeljević, D. Batinić, B. Užarević, et al* 2225

The Beneficial Effect of the Estrogen Antagonist, Tamoxifen, on Experimental SLE *Z.M. Sthoeger, Z. Bentwich, H. Zinger, E. Mozes* 2231

Serologically Active Clinically Quiescent SLE — Predictors of Clinical Flares *B.A.E. Walz LeBlanc, D.D. Gladman, M.B. Urowitz* 2239

T Lymphocyte Subsets in Primary APS *T. Papo, J-C. Piette, E. Legac, et al* 2242

Decreasing Costs and Improving Outcomes in SLE: Using Regression Trees to Develop Health Policy *A.E. Clarke, D.A. Bloch, D.S. Danoff, J.M. Esdaile* 2246

The Impact of SLE on Women's Sexual Functioning *S.L. Curry, S.B. Levine, E. Corty, P.K. Jones, D.M. Kurit* 2254

An EMS Related Disorder Associated with Exposure to L-5-Hydroxytryptophan *D. Michelson, S.W. Page, R. Casey, et al* 2261

NK Cell Function and Expression of B7 Integrin in PsA *F.M. McQueen, M.A. Skinner, G.W. Krissansen, E. Robinson, P.L.J. Tan* 2266

ReA: A Favorable 2 Year Course and Outcome, Independent of Triggering Agent and HLA-B27 *A. Glennås, T.K. Kvien, K. Melby, et al* 2274

A New Approach to Defining Functional Ability in AS: The Development of the Bath AS Functional Index *A. Calin, S. Garrett, H. Whitelock, et al* 2281

A New Approach to Defining Disease Status in AS: The Bath AS Disease Activity Index *S. Garrett, T. Jenkinson, L.G. Kennedy, H. Whitelock, P. Gaisford, A. Calin* 2286

Prevalence of SpA in Alaskan Eskimos *G.S. Boyer, D.W. Templin, J.C. Cornoni-Huntley, et al* 2292

Prevalence of SpA and HLA-B27 in the Native Population of Chukotka, Russia *L. Alexeeva, M. Krylov, V. Vturin, N. Mylov, S. Erdesz, L. Benevolenskaya* 2298

Phenotype and Functional Profile of T Cells Expressing $\gamma\delta$ Receptor from Patients with Active BD *K. Hamzaoui, A. Hamzaoui, F. Hentati, et al* 2301

Assessment of Cartilage Volume in the Femorotibial Joint with MRI and 3D Computer Reconstruction *L. Pilch, C. Stewart, D. Gordon, et al* 2307

Not Water, but Formalin, Dissolves Urate Crystals in Tophaceous Tissue Samples *P.A. Simkin, J.E. Bassett, Q.P. Lee* 232

Control of the Chondrocyte Fibrinolytic Balance by the Drug Piroxicam: Relevance to the Osteoarthritic Process *G. Fibbi, U. Serni, A. Matucci, et al* 232

Elevated Plasma Stromelysin Levels in Arthritis *S. Zucker, R.M. Lysik, M.H. Zarrabi, et al* 232

Biomechanical Aspects of Occupation and OA of the Hip: A Case-Control Study *K.E. Roach, V. Persky, T. Miles, E. Budiman-Mak* 233

Evaluation of a Yoga Based Regimen for Treatment of OA of the Hands *M.S. Garfinkel, H.R. Schumacher, Jr., A. Husain, M. Levy, R.A. Reshetar* 234

Reliability of the Diagnosis of Rheumatic Conditions at the Primary Health Care Level *F. Bolumar, M.T. Ruiz, I. Hernandez, E. Pascual* 234

Pediatric Rheumatology

Crosscultural Reliability of the Childhood HAQ *C. Len, J. Goldenberg, M.B. Ferraz, M.O.E. Hilário, L.M. Oliveira, S. Sacchetti* 234

IVIG in the Treatment of Systemic JRA: A Randomized Placebo Controlled Trial *E.D. Silverman, G.D. Cawkwell, D.J. Lovell, et al* 235

Cytokine Levels in Serum and SF of Patients with JRA *K.L. Madson, T.L. Moore, J.M. Lawrence, III, T.G. Osborn* 235

Mineral Metabolism in Children with DM *M.D. Perez, S.A. Abrams, G. Koenning, J.E. Stuff, K.O. O'Brien, K.J. Ellis* 236

Visual Prognosis in Children with Chronic Anterior Uveitis and Arthritis *D.A. Cabral, R.E. Petty, P.N. Malleson, S. Ensworth, A.Q. McCormick, M.L. Schroeder* 237

Case Reports

Catastrophic APS Presenting with Multiple Thromboses and Sites of Avascular Necrosis *R.M. Egan, R.K. Munn* 237

Allergic Granulomatosis and Angiitis (Churg-Strauss Syndrome) Presenting as Prominent Neurologic Lesions and Optic Neuritis *H-H. Liou, P-K. Yip, Y-C. Chang, H-M. Liu* 2380

EMS not Associated with the Ingestion of Nutritional Supplements *D.J. Clauw, D.A. Flockhart, W. Mullins, P. Katz, T.A. Medsger, Jr.* 2385

Correspondence

Interrelationships of Outcome Measures in Process Variables in Early RA *B. Rothschild* ... 2388
Reply *M.A. van Leeuwen* 2388

aCL, Rheumatic Fever and Rheumatic Heart Disease *P.A. Reyes, M-C. Amigo, J.L. Bañales, A. Nava* 2389

Reply *F. Figueroa, D. Rojo, M.S. Fernández, X. Berrios, F. Lanas* 2389

Calcification of the Hip Adductors in Chondrocalcinosis *E. Kanterewicz, R. Sanmartí* 2390
Reply *Y.M. Maugars, L.F. Péru, B.E. Messaoudi, et al* 2390

Letters

Large Multifunctional Protease 2 Genes in RA *K. Pile, P. Wordsworth* 2390

Subcutaneous Cholesterol Nodules *P. Szachnowski, A.J. Bridges* 2391

Abnormal Prostanoid Metabolism in SLE with Pulmonary Hypertension *T. Yoshida, H. Kameda, M. Akizuki, Y. Ichikawa, Y. Ikeda, M. Homma*....2393

More About the Link Between Thrombosis and Atherosclerosis in Autoimmune Diseases: Triglycerides and Risk for Thrombosis in Patients with aPL *J.A. Garrido, J.A.D. Peromingo, P. Sesma, G. Pia* 2394

Corrections

Neurotransmitter Status and Remission of RA in Pregnancy *C. Gilbert* 2395

Guidelines for Testing Slow Acting Drugs in OA *M. Lequesne, K. Brandt, N. Bellamy, R. Moskowitz, C.J. Menkes, J.P. Pelletier* 2395

Notices 2395

Reviewer Index 2396

Author Index 2397

Subject Index 2405

Content Index 2435